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NEWS 3	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 4	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 5	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS 6	JUN 25	CA/CAplus and USPAT databases updated with IPC reclassification data
NEWS 7	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
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NEWS 10	JUN 30	STN AnaVist enhanced with database content from EPFULL
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NEWS 14	JUL 28	STN Viewer performance improved
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NEWS 16	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 17	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 18	AUG 15	CAplus currency for Korean patents enhanced
NEWS 19	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 20	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 21	SEP 25	CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS 22	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and and Korean patents enhanced
NEWS 23	SEP 29	IFICLS enhanced with new super search field
NEWS 24	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS 25	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS 26	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS 27	OCT 07	Multiple databases enhanced for more flexible patent

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                    number searching

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
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L3 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
AN 1997084811 MEDLINE
DN PubMed ID: 8931145
TI Characterization of the S1 binding site of the glutamic acid-specific protease from Streptomyces griseus.
AU Stennicke H R; Birktoft J J; Breddam K
CS Carlsberg Laboratory, Department of Chemistry, Copenhagen, Denmark.
SO Protein science : a publication of the Protein Society, (1996 Nov) Vol. 5, No. 11, pp. 2266-75.
Journal code: 9211750. ISSN: 0961-8368.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199702
ED Entered STN: 5 Mar 1997
Last Updated on STN: 3 Mar 2000
Entered Medline: 19 Feb 1997
AB The glutamic acid-specific protease from Streptomyces griseus (SGPE) is an 18.4-kDa serine protease with a distinct preference for Glu in the P1 position. Other enzymes characterized by a strong preference for negatively charged residues in the P1 position, e.g., interleukin-1 beta converting enzyme (ICE), use Arg or Lys residues as counterions within the S1 binding site. However, in SGPE, this function is contributed by a His residue (His 213) and two Ser residues (Ser 192 and S216). It is demonstrated that proSGPE is activated autocatalytically and dependent on the presence of a Glu residue in the -1 position. Based on this observation, the importance of the individual S1 residues is evaluated considering that enzymes unable to recognize a Glu in the P1 position will not be activated. Among the residues constituting the S1 binding site, it is demonstrated that His 213 and Ser 192 are essential for recognition of Glu in the P1 position, whereas Ser 216 is less important for catalysis out has an influence on stabilization of the ground state. From the three-dimensional structure, it appears that His 213 is linked to two other His residues (His 199 and His 228), forming a His triad extending from the S1 binding site to the back of the enzyme. This hypothesis has been tested by substitution of His 199 and His 228 with other amino acid residues. The catalytic parameters obtained with the mutant enzymes, as well as the pH dependence, do not support this theory; rather, it appears that His 199 is responsible for orienting His 213 and that His 228 has no function associated with the recognition of Glu in P1.